Biomātrica
THE BIOSTABILITY COMPANY

STRboost™ Frequently Asked Questions

Q: How do I store STRboost?

A: STRboost should be stored at room temperatures between 15℃ to 25℃.

Q: I accidentally put the STRboost in the freezer. Will it still work?

A: STRboost should be stored at room temperature for optimal performance. Once frozen, a precipitate may form – do not use STRboost if this occurs.

Q: How much STRboost should I use in my amplification reaction?

A: We recommend a minimum of 10% total final volume of STRboost added to each amplification reaction. STRboost can be added up to 40% of total final volume per reaction without significant adverse effects.

Q: I don't have the minimum 10% volume allowance to add STRboost. What can I do?

A: Dilute DNA samples can be concentrated to smaller volumes using standard techniques (e.g. alcohol precipitation, vacuum concentrating with a SpeedVac®, microcolumn technology, etc.).

Q: Will I have to adjust my protocol in order to use STRboost?

A: No. Simply add STRboost directly in amplification reactions and proceed with standard protocol.

Q: What is the shelf life of STRboost?

A: STRboost should be used within 6 months of the purchase date for optimal performance.

Q: Do I have to remove the STRboost from my PCR product before continuing automated detection?

A: No. STRboost does not interfere with automated capillary electrophoresis separation/detection systems (e.g. ABI 3100 PRISM Genetic Analyzer). PCR products containing STRboost can be used directly in downstream reactions without further purification.

Q: Does STRboost help amplification of DNA samples containing inhibitors?

A: STRboost has been shown to amplify DNA in presence of inhibitory factors such as humic acid and indigo dye, resulting in 30-50% better amplification.

Q: Does STRboost affect the fidelity of polymerases and the accuracy of the final product?

A. STRboost does not change the fidelity of polymerases nor does it have a negative effect on the accuracy of the amplicon sequence.

Q. Does STRboost cause increased background noise or produce non-specific peaks?

A: No. STRboost does not cause background noise or unspecific peaks.